Endoscope system is flexible has radio control and picture transmission can be completely swallowed

Patent Number:

☐ DE10028153

Publication date:

2000-12-14

Inventor(s):

OUCHI TERUO (JP)

Applicant(s):

ASAHI OPTICAL CO LTD (JP)

Requested Patent:

☐ JP2000342522

Priority Number(s):

Application Number: DE20001028153 20000607 JP19990160027 19990607

IPC Classification:

A61B1/005; A61B1/04; A61B1/273; A61B1/31; A61B5/07; G08C17/00

EC Classification:

A61B1/04D, A61B1/005, A61B1/31B, A61B5/07B

Equivalents:

Abstract

The endoscope (10) can be swallowed to move down the digestive system and has a bendable (13) and flexible parts (14) with transceiver (14b) and a rigid part with optical sensor (15). A balloon can be inflated by compressed air (14f) to expand the body part being investigated for better viewing.

Data supplied from the esp@cenet database - I2

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2001-231744

(43) Date of publication of application: 28.08.2001

(51)Int.CI.

A61B 1/00 G02B 23/24

(21)Application number: 2000-042518

(22)Date of filing:

21.02.2000

(71)Applicant: ASAHI OPTICAL CO LTD

(72)Inventor: NAKAJIMA MASAAKI

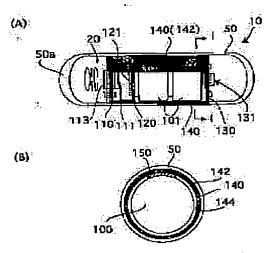
NAKANISHI TAICHI NINOMIYA ICHIRO NAKAMURA TETSUYA FUSHIMI MASAHIRO EGUCHI MASARU OHARA KENICHI

(54) CAPSULE ENDOSCOPE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a capsule endoscope which can assure safety to the human body and can maintain a good signal transmission state.

SOLUTION: This capsule endoscope has an illumination means which illuminates the inside of the living body, an imaging means which picks up the image of the part to be inspected illuminated by this illumination means, a modulated signal transmission means which modulates the output of this imaging means to a transmission signal and transmits this signal, a signal transmission antenna which sends the transmission signal outputted from the modulated signal transmission means and a shielding member which prevents the noise liable to be generated during the signal transmission by this signal transmission antenna within a hermetic capsule.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

Number of appeal against examiner's decision of

rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office